AMERICAN JOURNAL

OF

DISEASES OF CHILDREN

EDITORIAL BOARD

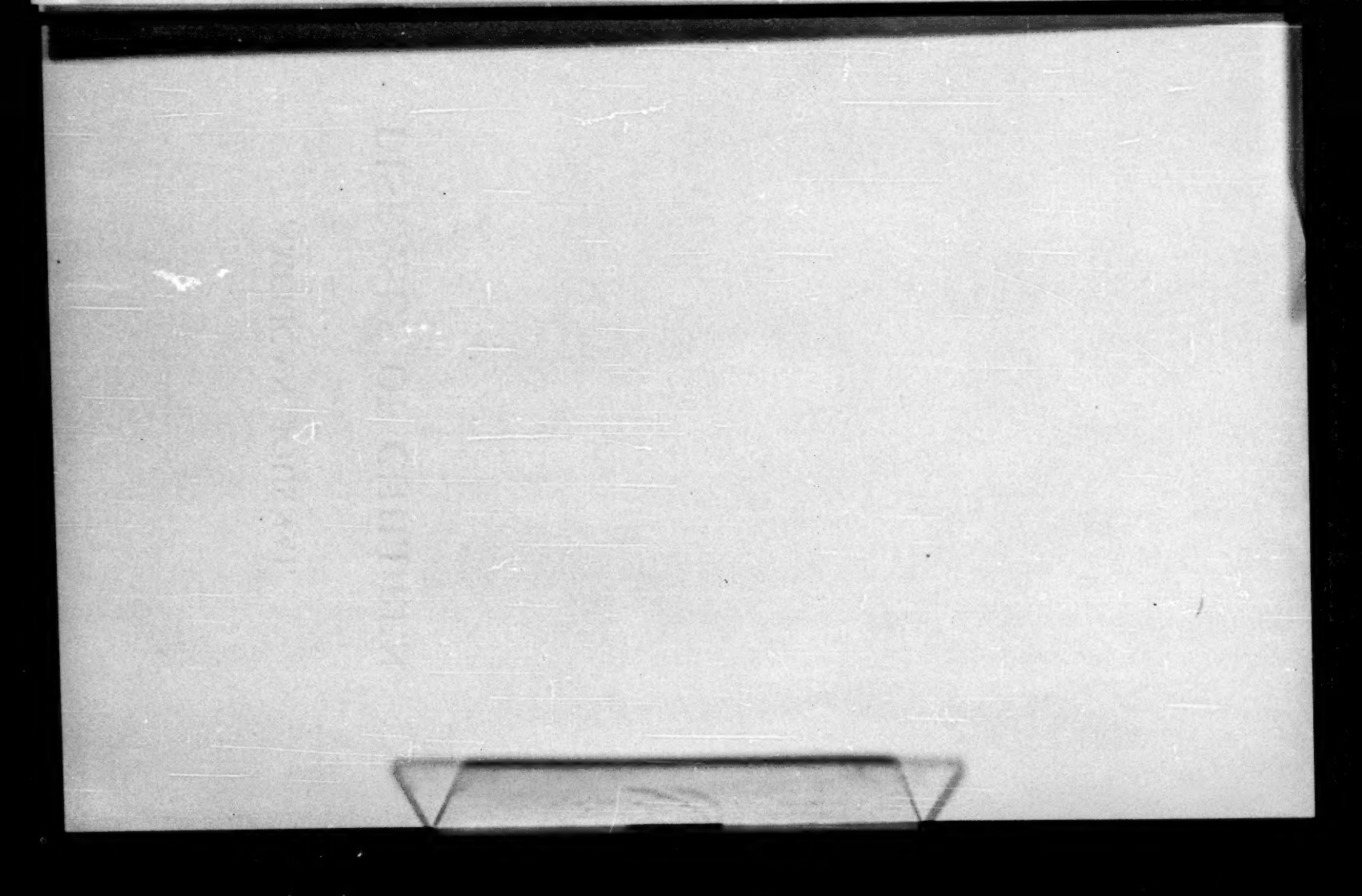
CLIFFORD G. GRULEE, Chief Editor
Box 671, Evanston, Ill.

OSCAR M. SCHLOSS, New York
ROBERT B. LAWSON, Winston-Salem, N. C.
A. A. WEECH, Cincinnati
H. F. HELMHOLZ, Rochester, Minn.
FRANCIS SCOTT SMYTH, San Francisco
JAMES L. WILSON, Ann Arbor, Mich.

RICHARD J. PLUNKETT, M.D., Chicago, Managing Editor

VOLUME 79
1950

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO 10, ILL.



CONTENTS OF VOLUME 79

JANUARY 1950. NUMBER 1

PAGE

Physiologic Background of Fetal Anoxia at Birth and Cyanosis in the Newborn. Clement A. Smith, M.D., Boston 1

Protamine Tetanus Toxoid. Victor Ross, Ph.D., New York, and Frances L. Clapp, B.A., and C. H. Parsons, B.A., Pearl River, N. Y. 10

Deficient Development of Masculinity: A Psychosomatic Problem of Adolescence. William A. Schonfeld, M.D., White Plains, N. Y. 17

Excisional Surgical Treatment of Pulmonary Tuberculosis in Children. Milton Levitin, M.D., Columbus, Ohio, and Morris Zelman, M.D., Staten Island, N. Y. 30

Use of Visammin in Treatment of Whooping Cough. A. Khalil, M.D., M.R.C.P. (London), and A. Safwat, M.B., B.Ch., and D.Ch. (Cairo), Cairo, Egypt 42

Duodenal Ulcers in Infants. John H. Fisher, M.D., London, Ontario, Canada. 50

Hyaluronidase in Administration of Fluids. Alexander A. Jaworski, M.D., and John E. Farley Jr., M.D., Providence, R. I. 59

Cystic Change in the Pancreas: Its Experimental Production. Peter V. Véghelyi, M.D.; Tibor Kemény, Drd.M., and Joseph Sós, M.D., Budapest, Hungary 65

Carpal and Epiphysial Development: Another Index of Nutritional Status of Rural School Children. O. D. Abbott, Ph.D.; Ruth O. Townsend, R.N.; R. B. French, Ph.D., and C. F. Ahmann, M.D., Gainesville, Fla.. 69

Bronchopulmonary Geotrichosis in Children. Ralph H. Kunstadter, M.D.; Albert Milzer, Ph.D., M.D., and Frances Whitcomb, M.S., Chicago.... 82

Fibrosis of the Pancreas: Enterogastrone and the "Duodenal Mechanism" in Relation to Increased Appetite. Charles Upton Lowe, M.D.; Charles D. May, M.D., Minneapolis; Herbert M. Stauffer, M.D., Philadelphia, and E. D. B. Neuhauser, M.D., Boston 91

Case Reports:

Familial Erythroblastic (Cooley's) Anemia in an American Indian Infant. Margaret Prouty, M.D., Madison, Wis. 99

Infantile Cortical Hyperostosis. Vincent De Paul Larkin, M.D., New York, and Paul Rousseau, M.D., Oakland, Calif. 105

Congenital Diverticulosis of Left Ventricle. Alfred J. Swyer, M.D., Irving H. Mauss, M.D., and Philip Rosenblatt, M.D., Brooklyn.... 111

Escherichia Coli Meningitis Treated Successfully with Streptomycin. Solon Veras, M.D., and A. Mystakidis, M.D., Salonika, Greece..... 115

Methemoglobinemia in Infancy. Harold I. Lecks, M.D., Philadelphia.. 117

Progress in Pediatrics:

Cerebral Palsy: Selection and Training of the Child with Normal Mentality. Sidney Keats, M.D., Newark, N. J. 124

Abstracts from Current Literature 130

JANUARY—*Continued*

PAGE

Society Transactions:
Chicago Pediatric Society 178

News and Comment 192

Book Reviews 193

Directory of Pediatric Societies 195

FEBRUARY 1950. NUMBER 2

Prevalence of Rheumatic Heart Disease at High Altitudes. Bernice G. Wedum, M.D., Washington, D. C.; Ward Darley, M.D., and Paul H. Rhodes, M.D., with the Assistance of Ella Jane Swan, Denver 205

Acute Conjunctivitis Caused by Hemophilus. Dorland J. Davis, M.D., and Margaret Pittman, Ph.D., Bethesda, Md. 211

Epilepsy in Twins: An Analysis of Five Twin Pairs, with Electroencephalographic Studies. Samuel C. Little, M.D., Birmingham, Ala., and Neill K. Weaver, M.D., New Orleans 223

Bronchopulmonary Mycosis: Simultaneous Primary Occurrence in Four Children and Their Mother with Subsequent Healing by Diffuse Miliary Calcification; a Twelve Year Observation. Brenton M. Hamil, M.D., Detroit 233

Treatment of Edema in Disease of the Kidney. Harry H. Boyle, M.D., Chicago, and Logan E. Jackson, M.D., Long Beach, Calif. 272

Six Examples of Precocious Sexual Development: II. Studies in Growth and Maturation. H. P. G. Seckel, M.D., Chicago 278

Fluoroacetate Poisoning: A Review and Report of a Case. D. Carleton Gajdusek, M.D., Pasadena, Calif., and Gertrude Luther, M.D., Cincinnati 310

Case Reports:

Teratoma of the Ovary in an Infant Twenty Months of Age. Sherman S. Garrett, M.D., Champaign, Ill. 321

Masked Mumps Encephalitis Complicated by Hemiplegia. Harry Bloch, M.D.; Daniel Hirschl, M.D.; Richard Turin, M.D., and Bernard Zaleznak, M.D., Brooklyn 324

Alternation in the Electrocardiogram of a Three and One-Half Month Old Infant. Bruno Kisch, M.D., and B. Richman, M.D., New York .. 326

News and Comment 329

Abstracts from Current Literature 330

Society Transactions:
American Pediatric Society 362

Book Reviews 408

MARCH 1950. NUMBER 3

Resistant Rickets. Smith Freeman, M.D., Ph.D., Chicago, and Irvin Dunsky, M.D., Cincinnati 409

Tuberculous Endogenous Reinfection: Twenty Year Follow-Up Study of Reactors After Removal from Contact. Joseph A. Johnston, M.D.; Philip J. Howard, M.D., and Bruce H. Douglas, M.D., Detroit 428

MARCH—*Continued*

PAGE

Antistreptolysin Content of Cerebrospinal Fluid. R. Lundström, M.D., and G. G. von Reis, M.D., Stockholm, Sweden 438

A Pedigree of Clubfoot. James V. Neel, Ph.D., M.D.; Harold F. Falls, M.D., and Avery R. Test, Ph.D., Ann Arbor, Mich. 442

Electrocardiograms of Normal Children, with Special Reference to the aV Limb Leads and Chest Leads. John L. Switzer, M.D., and Manuel Besoain, M.D., Chicago 449

Water-Reabsorbing Capacity of Tubular System in the Newborn and in Infants. L. Barta, M.D., and A. Hernadi, M.D., Budapest, Hungary 467

Hypervitaminosis A. Charles T. Fried, M.D., and Milton J. H. Grand, M.D., New York 475

Myocarditis Following Measles: Report of a Case. Frank X. Giustra, M.D., and Donald C. Nilsson, M.D., Brooklyn 487

Case Reports:

Tick Paralysis: Report of a Case in Philadelphia. Katherine E. Dawson, M.D.; Alfred J. Sherman, M.D., and A. C. LaBoccetta, M.D., Philadelphia 491

Brain Damage in the Child: A Sequela of Maternal Isoimmunization with the B Factor. George A. Jervis, M.D., Thiells, N. Y. 495

Hereditary Ectodermal Dysplasia of the Anhidrotic Type. Irving Lipton, M.D., and M. Hines Roberts, M.D., Atlanta, Ga. 504

Progress in Pediatrics:

Pediatric Proctology: Review with Comment. Robert Turell, M.D., New York 510

Correspondence:

Postvaccination Encephalitis:

Emanuel Rosen, M.D., Newark, N. J. 539

Albert P. Rosen, M.D., Fair Lawn, N. J. 540

News and Comment 542

Abstracts from Current Literature 547

Society Transactions:

Chicago Pediatric Society 596

Book Reviews 607

APRIL 1950. NUMBER 4

Respiration of the Newborn Infant: Variation in Respiratory Minute Volume with Change in Per Cent of Oxygen in Respired Mixture. Philip J. Howard, M.D., and A. Robert Bauer, M.D., Detroit 611

Kerosene Intoxication. Edsell S. Reed, M.D.; Sanford Leikin, M.D., and Herbert D. Kerman, M.D., Louisville, Ky. 623

Spinal Fluid in Acute Poliomyelitis: Changes in Total Protein and Cell Counts on Serial Study. G. David Ford, M.D.; Frederic L. Eldridge, M.D., and Clifford G. Grulee Jr., M.D., Galveston, Texas 633

APRIL—*Continued*

PAGE

Encephalitis in Diphtheria. Vera B. Dolgopol, M.D., and Selig H. Katz, M.D., New York 640

Dietary Lesions of the Pancreas. Peter V. Véghelyi, M.D.; Tibor T. Kemény, Drd.M.; Joseph Pozsonyi, M.D., and Joseph Sós, M.D., Budapest, Hungary 658

Infantile Colic in Institutions. Harris Levin, M.D., Philadelphia 666

Determination of Hemoglobin Concentration in Premature Infants by the Cyanmethemoglobin Method. Makepeace U. Tsao, Ph.D., and Helen S. Reardon, M.D., Ann Arbor, Mich. 673

Case Reports:

Miliary Tuberculosis Simulating Acute Rheumatic Fever. Paul Freud, M.D.; Albert Weisz, M.D., and Andrew Brunhofer, M.D., New York 676

Vesical Calculi in Young Female Children. John I. Waller, M.D., and Frank Adney, M.D., Indianapolis 684

Congenital Atresia of Pulmonary and Tricuspid Valves. Samuel Kase Elster, M.D., New York 692

Progress in Pediatrics:

Acute Diarrheal Disorders of Newborn Infants: Differential Diagnosis. Harold Abramson, M.D., New York 698

News and Comment 712

Obituaries:

John A. Toomey, M.D. 714

Prof. Dr. Cornelia de Lange 716

Abstracts from Current Literature 717

Society Transactions:

Chicago Pediatric Society 767

Book Reviews 771

Directory of Pediatric Societies 775

MAY 1950. NUMBER 5

Clinical Observations on a New Sulfonamide (Gantrisin®). John A. Bigler, M.D., Chicago, and Orville Thomas, M.D., Shreveport, La. 785

An Approach to Psychiatric Problems in Childhood. Maurice Kaplan, M.D., San Francisco 791

Simultaneous Nonfatal Systemic Histoplasmosis in Two Cousins. Warren E. Wheeler, M.D., Columbus, Ohio; Valerie Friedman, M.D., Los Alamos, N. Mex., and Samuel Saslaw, M.D., Ph.D., Washington, D. C. 806

Thrombopenic Purpura: Report of Four Cases in One Family. M. Hines Roberts, M.D., and Martin H. Smith, M.D., Atlanta, Ga. 820

Urinary Excretion of Glucuronic and Salicylic Acids in Normal and in Rheumatic Children. Jessie C. S. Tseng, M.D.; H. William Elghammer, M.D., and A. C. Ivy, Ph.D., M.D., Chicago 826

Paroxysmal Supraventricular Tachycardia in Infancy: Review of Treatment and Report on an Infant Treated with Methacholine (Mecholyl®) Chloride. William M. Brownlee, M.D.; Ethel M. Waters, M.D., and Sam J. McClendon, M.D., San Diego, Calif. 838

MAY—*Continued*

PAGE

Bronchial Changes in Experimentally Induced Cystic Degeneration of the Pancreas. Peter V. Véghelyi, M.D.; Tibor T. Kemény, Drd.M., and Joseph Sós, M.D., Budapest, Hungary 846

Case Reports:

Atropine Intoxication in Infancy. Howard A. Joos, M.D., Rochester, N. Y. 855

Splenic Panhematopenia in Children. Marguerite L. Williams, M.D., and Weston M. Kelsey, M.D., Winston-Salem, N. C. 862

Abstracts from Current Literature 868

Society Transactions:

American Pediatric Society in Joint Session with Canadian Society for the Study of Diseases of Children 918

Book Reviews 968

JUNE 1950. NUMBER 6

Evolution of Neurologic Signs of Early Anterior Poliomyelitis. Lewis J. Pollock, M.D.; Benjamin Boshes, M.D.; Isidore Finkelman, M.D.; Frederick Hiller, M.D.; Herman Chor, M.D.; Meyer Brown, M.D.; Alex J. Arieff, M.D.; Erich Liebert, M.D.; Eli L. Tigay, M.D.; Maurice Schiller, M.D., and Irving C. Sherman, M.D., Chicago 973

Evaluation of Hepatic Function in Newborn Infants by Means of Chemical Study of Cord Blood. I. Halbrecht, M.D., Hedera, Israel, and H. Brzoza, M.Sc., Tel Aviv, Israel 988

Electroencephalography of the Newborn: V. Brain Potentials of Babies Born of Mothers Given Meperidine Hydrochloride (Demerol Hydrochloride®), Vinbarbital Sodium (Delvinal Sodium) or Morphine. James G. Hughes, M.D.; Fontaine S. Hill, M.D.; C. R. Green, M.D., and Billie Camp Davis, B.S., Memphis, Tenn 996

Epidemic Diarrhea of the Newborn During and After the Neonatal Period. Alfred J. Vignec, M.D., New York; T. F. Murphy, M.D., Hartford, Conn.; Irma E. Vidal, M.D., Habana, Cuba, and J. F. Julia, M.D., Hartford, Conn. 1008

Aminopterin in Treatment of Leukemia in Children: Serial Aspirations of Bone Marrow as a Guide to Management and Appraisal of Treatment. Carl H. Smith, M.D., and W. Randal Bell, M.D., New York 1031

Case Reports:

Ehlers-Danlos Syndrome. Joseph T. Freeman, M.D., Philadelphia 1049

Infectious Mononucleosis: Involvement of Inguinal Lymph Nodes and Secondary Suppuration. Ralph M. Myerson, M.D., Wilmington, Del. 1057

Glycogenosis (von Gierke's Disease) in a Negro Infant. Hyman C. Tolmas, M.D., New Orleans 1059

Transposition of the Great Vessels: Diagnostic Use of Angiocardiography in a Newborn Infant. Harold Abramson, M.D., New York .. 1063

Correspondence:

Acute Diarrheal Disorders of Newborn Infants.

Milton J. H. Grand, M.D., New York 1073

Harold Abramson, M.D., New York 1073

JUNE—*Continued*

PAGE

Special Note: Resignation of Dr. Talbot 1075

News and Comment 1075

Abstracts from Current Literature 1078

Society Transactions:
Society for Pediatric Research 1123
Chicago Pediatric Society 1141

Book Reviews 1148